

WHAT IS CLAIMED IS:

1. A suction device, comprising:

5 a substrate having an aperture, which has a small diameter portion, a large diameter portion and a shoulder portion between the small diameter portion and the large diameter portion;

10 an inner ring received in the large diameter portion of the aperture of the substrate and attached on the shoulder portion, wherein the inner ring has an axial hole communicated with the small diameter portion of the aperture;

15 an outer ring received in the large diameter portion of the aperture of the substrate having an axial hole;

20 a plug attached on the inner ring and moveable between the inner ring and the outer ring.

2. The suction device as defined in claim 1, wherein the inner ring has a cone portion at an end of the axial hole.

25 3. The suction device as defined in claim 1, wherein the outer ring has a cone portion at an end of the axial hole.

4. The suction device as defined in claim 1, wherein the plug is a ball.

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5. The suction device as defined in claim 1, wherein the inner ring is made of a magnet and the plug is made of a magnetic material to be attracted by the inner ring.
5. The suction device as defined in claim 1, wherein the plug is made of a magnet and the inner ring is made of a magnetic material to be attracted by the plug.
7. The suction device as defined in claim 1, further comprising an air guide plate attached on the substrate, wherein the air guide plate has a channel communicated with the axial hole of the outer ring and an air way communicated with the channel and outside.
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8. The suction device as defined in claim 1, comprising an elastic member received in the large diameter portion of the aperture of the substrate to be against the outer ring and the plug respectively.
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9. The suction device as defined in claim 8, wherein the outer ring is provided with a mount portion to be engaged with an end of the elastic member.